

Tables

Table 6-1
Monthly Geomean of Model-Predicted E. Coli Concentrations
Grand Calumet River - Typical Year
Baseline Conditions (Recreation Season)

Model Conduit	Location	Monthly Geomean (CFU/100 mL E. coli)						
		April	May	June	July	August	September	October
40	Upstream	18	27	33	24	14	21	21
39		11	13	15	13	11	12	12
38		14	18	22	18	13	16	16
37		14	18	21	17	13	16	16
36		14	18	21	17	13	16	16
36B		13	18	21	17	13	16	15
36A	006 - Rhode Island Street at E. Interceptor	13	22	25	19	15	15	18
35	007 - Alley 9 at E. Interceptor	13	22	24	20	15	15	18
35A		20	30	30	28	24	23	27
34		25	36	32	32	29	26	32
34A		25	36	31	32	29	26	32
33		24	37	29	31	27	26	31
32		25	37	29	32	27	26	31
31		25	38	30	32	27	27	32
31E		25	38	30	32	26	27	32
31D		25	38	30	32	26	27	32
31C		25	38	30	32	26	27	32
31B		25	38	30	32	26	27	32
31A		25	37	29	32	25	26	32
30	008 - Polk Street at E. Interceptor	25	37	34	32	27	26	31
30A	009 - Pierce Street at E. Interceptor	24	37	35	32	27	26	31
29		24	34	36	35	26	28	30
28		23	33	35	35	26	28	29
27		23	31	34	35	25	29	29
26		23	31	34	35	24	29	29
26A		22	30	33	36	24	29	28
25	010 - Bridge Street at E. Interceptor	22	30	34	36	25	30	28
24	011 - Chase Street at E. Interceptor	22	30	32	37	24	30	27
23		22	30	31	37	24	30	27
23A		22	30	29	37	23	30	27
22		22	31	28	38	23	31	27
21		22	31	27	38	22	31	27
21B		22	31	27	38	22	31	27
21A		22	30	27	38	21	31	27
20	WWTP	20	27	23	33	19	28	24
19		20	27	25	34	19	29	25
19A		20	27	25	34	19	29	25
18		19	26	25	33	19	29	24
17		19	25	26	33	18	30	23
16		18	24	26	32	18	30	23
15	012 - Colfax Street at W. Interceptor	18	24	29	32	21	30	23
14		18	23	30	32	21	30	22
13		18	22	30	32	21	30	22
13F		17	22	30	32	21	30	22
13E		17	22	30	32	21	30	22

Table 6-1
Monthly Geomean of Model-Predicted E. Coli Concentrations
Grand Calumet River - Typical Year
Baseline Conditions (Recreation Season)

Model Conduit	Location	Monthly Geomean (CFU/100 mL E. coli)						
		April	May	June	July	August	September	October
13D		17	22	30	32	20	30	22
13C		17	22	30	32	20	30	22
13B		17	22	29	32	20	30	22
13A		17	22	29	32	20	30	22
12		17	22	29	32	20	30	22
11		18	23	31	34	20	32	23
11B		18	23	30	34	20	32	23
11A		17	23	30	34	20	32	23
10		17	23	30	34	19	32	23
10B		17	23	30	34	19	32	23
10A		17	23	29	34	19	31	22
9		17	22	29	34	18	31	22
8		17	22	29	35	18	31	22
7		16	22	28	35	18	31	22
6		16	21	28	34	18	31	21
5		16	21	28	34	17	31	21
4		16	20	27	34	17	31	21
3		16	21	29	35	18	31	22
3B		16	20	29	35	18	31	22
3A		16	20	29	35	17	31	21
2		15	19	28	35	17	31	21
1		15	19	28	34	17	30	21
IndHarbor_Lock		12	17	26	48	15	32	21
IndHarborCanal	Lake Michigan	12	17	26	48	15	32	21

	Below 125 CFU/100 mL
	Above 125 CFU/100 mL

Table 6-2
Percent of Model-Predicted E. Coli Concentrations below 235 CFU/100 mL
Grand Calumet River - Typical Year
Baseline Conditions (Recreation Season)

Model Conduit	Location	Percent of Samples Below 235 CFU/100 mL E. coli						
		April	May	June	July	August	September	October
40	Upstream	97%	90%	87%	90%	97%	93%	97%
39		100%	100%	100%	100%	100%	100%	100%
38		100%	100%	100%	100%	97%	100%	97%
37		100%	100%	100%	100%	97%	100%	97%
36		100%	100%	100%	100%	97%	100%	97%
36B		100%	100%	100%	100%	97%	100%	97%
36A	006 - Rhode Island Street at E. Interceptor	100%	97%	97%	97%	97%	100%	97%
35	007 - Alley 9 at E. Interceptor	100%	97%	97%	97%	97%	100%	97%
35A		100%	97%	97%	97%	97%	100%	97%
34		100%	94%	97%	97%	97%	100%	97%
34A		100%	94%	97%	97%	97%	100%	97%
33		100%	94%	100%	97%	97%	100%	97%
32		100%	94%	100%	97%	97%	100%	97%
31		100%	94%	100%	97%	97%	100%	97%
31E		100%	94%	100%	97%	97%	100%	97%
31D		100%	94%	100%	97%	97%	100%	97%
31C		100%	94%	100%	97%	97%	100%	97%
31B		100%	94%	100%	97%	97%	100%	97%
31A		100%	94%	100%	97%	100%	100%	97%
30	008 - Polk Street at E. Interceptor	100%	94%	93%	97%	97%	100%	97%
30A	009 - Pierce Street at E. Interceptor	100%	94%	93%	97%	97%	100%	97%
29		100%	94%	90%	90%	97%	97%	97%
28		100%	94%	90%	90%	97%	97%	97%
27		100%	94%	90%	90%	97%	93%	97%
26		100%	94%	90%	90%	97%	93%	97%
26A		100%	94%	90%	90%	97%	93%	97%
25	010 - Bridge Street at E. Interceptor	100%	94%	90%	87%	97%	93%	97%
24	011 - Chase Street at E. Interceptor	100%	94%	93%	87%	97%	93%	97%
23		100%	94%	97%	87%	97%	93%	97%
23A		100%	94%	97%	87%	97%	93%	97%
22		100%	94%	97%	87%	97%	93%	97%
21		100%	94%	97%	87%	97%	93%	97%
21B		100%	94%	97%	87%	100%	93%	97%
21A		100%	94%	97%	87%	100%	93%	97%
20	WWTP	100%	94%	97%	87%	100%	93%	97%
19		100%	94%	97%	87%	100%	93%	97%
19A		100%	94%	97%	87%	100%	93%	97%
18		100%	94%	97%	90%	100%	93%	97%
17		100%	97%	97%	90%	100%	90%	97%
16		100%	97%	97%	90%	100%	90%	97%
15	012 - Colfax Street at W. Interceptor	100%	97%	93%	90%	97%	90%	97%
14		100%	97%	93%	90%	97%	90%	97%
13		100%	97%	93%	90%	97%	90%	97%
13F		100%	97%	93%	90%	97%	90%	97%
13E		100%	97%	93%	90%	97%	90%	97%
13D		100%	97%	93%	90%	97%	90%	97%
13C		100%	97%	93%	90%	97%	90%	97%
13B		100%	97%	93%	90%	97%	90%	97%
13A		100%	97%	93%	90%	97%	90%	97%
12		100%	97%	90%	90%	97%	90%	97%
11		100%	97%	90%	90%	97%	90%	97%
11B		100%	97%	93%	90%	97%	90%	97%
11A		100%	97%	93%	90%	97%	90%	97%
10		100%	97%	93%	90%	94%	90%	97%
10B		100%	97%	93%	90%	94%	90%	97%

Table 6-2 ;
Percent of Model-Predicted E. Coli Concentrations below 235 CFU/100 mL
Grand Calumet River - Typical Year
Baseline Conditions (Recreation Season)

Model Conduit	Location	Percent of Samples Below 235 CFU/100 mL E. coli						
		April	May	June	July	August	September	October
10A		100%	97%	93%	90%	97%	90%	97%
9		100%	97%	93%	90%	97%	90%	97%
8		100%	97%	93%	90%	97%	87%	97%
7		100%	97%	93%	87%	97%	87%	97%
6		100%	97%	93%	87%	97%	87%	97%
5		100%	97%	93%	87%	97%	87%	97%
4		100%	97%	93%	87%	97%	87%	97%
3		100%	97%	93%	87%	97%	87%	97%
3B		100%	97%	93%	87%	97%	87%	97%
3A		100%	97%	93%	87%	97%	87%	97%
2		100%	97%	93%	87%	97%	87%	97%
1		100%	100%	93%	87%	97%	87%	94%
IndHarbor_Lock		100%	97%	87%	77%	97%	80%	90%
IndHarborCanal	Lake Michigan	100%	97%	87%	77%	97%	80%	90%

	Compliance with maximum 235 CFU/100 mL standard
	Non-compliance with maximum 235 CFU/100 mL standard

Table 6-3
Model-Predicted Compliance with Monthly Geomean and Maximum Count Standards
Grand Calumet River - Typical Year
Baseline Conditions (Recreation Season)

Model Conduit	Location	Compliance with E. Coli Recreational Standards						
		April	May	June	July	August	September	October
40	Upstream	97%	90%	87%	90%	97%	93%	97%
39								
38						97%		97%
37						97%		97%
36						97%		97%
36B						97%		97%
36A	006 - Rhode Island Street at E. Interceptor		97%	97%	97%	97%		97%
35	007 - Alley 9 at E. Interceptor		97%	97%	97%	97%		97%
35A			97%	97%	97%	97%		97%
34			94%	97%	97%	97%		97%
34A			94%	97%	97%	97%		97%
33			94%		97%	97%		97%
32			94%		97%	97%		97%
31			94%		97%	97%		97%
31E			94%		97%	97%		97%
31D			94%		97%	97%		97%
31C			94%		97%	97%		97%
31B			94%		97%	97%		97%
31A			94%		97%			97%
30	008 - Polk Street at E. Interceptor		94%	93%	97%	97%		97%
30A	009 - Pierce Street at E. Interceptor		94%	93%	97%	97%		97%
29			94%	90%	90%	97%	97%	97%
28			94%	90%	90%	97%	97%	97%
27			94%	90%	90%	97%	93%	97%
26			94%	90%	90%	97%	93%	97%
26A			94%	90%	90%	97%	93%	97%
25	010 - Bridge Street at E. Interceptor		94%	90%	87%	97%	93%	97%
24	011 - Chase Street at E. Interceptor		94%	93%	87%	97%	93%	97%
23			94%	97%	87%	97%	93%	97%
23A			94%	97%	87%	97%	93%	97%
22			94%	97%	87%	97%	93%	97%
21			94%	97%	87%	97%	93%	97%
21B			94%	97%	87%		93%	97%
21A			94%	97%	87%		93%	97%
20	WWTP		94%	97%	87%		93%	97%
19			94%	97%	87%		93%	97%
19A			94%	97%	87%		93%	97%
18			94%	97%	90%		93%	97%
17			97%	97%	90%		90%	97%
16			97%	97%	90%		90%	97%
15	012 - Colfax Street at W. Interceptor		97%	93%	90%	97%	90%	97%
14			97%	93%	90%	97%	90%	97%
13			97%	93%	90%	97%	90%	97%
13F			97%	93%	90%	97%	90%	97%
13E			97%	93%	90%	97%	90%	97%
13D			97%	93%	90%	97%	90%	97%
13C			97%	93%	90%	97%	90%	97%
13B			97%	93%	90%	97%	90%	97%
13A			97%	93%	90%	97%	90%	97%
12			97%	90%	90%	97%	90%	97%

Table 6-3
Model-Predicted Compliance with Monthly Geomean and Maximum Count Standards
Grand Calumet River - Typical Year
Baseline Conditions (Recreation Season)

Model Conduit	Location	Compliance with E. Coli Recreational Standards						
		April	May	June	July	August	September	October
11			97%	90%	90%	97%	90%	97%
11B			97%	93%	90%	97%	90%	97%
11A			97%	93%	90%	97%	90%	97%
10			97%	93%	90%	94%	90%	97%
10B			97%	93%	90%	94%	90%	97%
10A			97%	93%	90%	97%	90%	97%
9			97%	93%	90%	97%	90%	97%
8			97%	93%	90%	97%	87%	97%
7			97%	93%	87%	97%	87%	97%
6			97%	93%	87%	97%	87%	97%
5			97%	93%	87%	97%	87%	97%
4			97%	93%	87%	97%	87%	97%
3			97%	93%	87%	97%	87%	97%
3B			97%	93%	87%	97%	87%	97%
3A			97%	93%	87%	97%	87%	97%
2			97%	93%	87%	97%	87%	97%
1				93%	87%	97%	87%	94%
IndHarbor_Lock			97%	87%	77%	97%	80%	90%
IndHarborCanal	Lake Michigan		97%	87%	77%	97%	80%	90%

	Model predicted compliance with geomean and max. E. coli CFU standards
###	Model predicted E. coli counts above the geomean but in compliance with max. E. coli CFU standard (Monthly Geomean shown)
##%	Model predicted E. coli counts above max. E. coli count but in compliance with geomean standard (% of Samples below 235 CFU/100 mL standard shown)
###/##%	Model predicted E. coli counts above either the geomean and max. E. coli CFU standards (Monthly Geomean and % of Samples below 235 CFU/100 mL shown)

Table 6-4
Monthly Geomean of Model-Predicted E. Coli Concentrations
Grand Calumet River - Typical Year
Baseline Conditions with Improved Non-Point Sources (Recreation Season)

Model Conduit	Location	Monthly Geomean (CFU/100 mL E. coli)						
		April	May	June	July	August	September	October
40	Upstream	8	9	9	9	8	8	8
39		10	10	10	10	10	10	10
38		9	9	10	9	9	9	9
37		9	9	9	9	9	9	9
36		9	9	9	9	9	9	9
36B		9	9	9	9	9	9	9
36A	006 - Rhode Island Street at E. Interceptor	9	12	12	11	12	9	12
35	007 - Alley 9 at E. Interceptor	9	13	12	11	12	9	12
35A		17	24	21	21	22	17	23
34		23	31	26	28	28	23	29
34A		23	32	26	28	28	23	29
33		23	32	24	28	26	23	29
32		23	33	23	28	26	23	29
31		23	33	23	28	25	23	29
31E		23	33	23	28	25	23	29
31D		23	33	23	28	25	23	29
31C		23	33	23	28	25	23	29
31B		23	33	23	28	24	23	29
31A		23	33	23	28	24	23	29
30	008 - Polk Street at E. Interceptor	23	32	29	29	26	23	29
30A	009 - Pierce Street at E. Interceptor	22	32	30	29	26	23	28
29		22	30	31	31	25	25	28
28		21	28	30	32	24	26	27
27		21	27	30	33	24	26	26
26		21	26	29	33	23	26	26
26A		21	26	28	33	23	27	26
25	010 - Bridge Street at E. Interceptor	21	26	29	33	24	27	26
24	011 - Chase Street at E. Interceptor	20	26	28	34	23	27	25
23		20	26	27	34	23	27	25
23A		20	26	26	34	22	27	24
22		21	27	25	35	22	29	25
21		21	27	24	35	21	29	25
21B		21	27	24	35	21	29	25
21A		20	27	24	35	20	29	25
20	WWTP	19	24	21	31	18	27	22
19		19	24	21	31	18	27	22
19A		19	24	21	31	18	27	22
18		18	23	21	30	17	27	21
17		17	21	21	30	17	27	21
16		17	21	21	30	17	27	21
15	012 - Colfax Street at W. Interceptor	17	20	25	29	20	27	20
14		16	19	26	29	20	28	20
13		16	19	26	29	20	28	20
13F		16	19	26	29	20	28	20
13E		16	19	26	29	20	28	20
13D		16	19	26	29	20	28	20

Table 6-4
Monthly Geomean of Model-Predicted E. Coli Concentrations
Grand Calumet River - Typical Year
Baseline Conditions with Improved Non-Point Sources (Recreation Season)

Model Conduit	Location	Monthly Geomean (CFU/100 mL E. coli)						
		April	May	June	July	August	September	October
13C		16	19	26	29	19	28	20
13B		16	19	26	29	19	28	20
13A		16	19	25	29	19	28	20
12		15	18	25	29	19	28	19
11		15	18	24	29	19	28	19
11B		15	18	24	29	18	28	19
11A		15	18	23	29	18	28	19
10		15	18	23	29	18	28	19
10B		15	18	23	29	18	28	19
10A		15	18	22	29	17	28	19
9		14	17	22	29	17	28	19
8		14	17	21	30	16	28	19
7		14	16	21	30	16	28	18
6		14	16	21	30	16	27	18
5		13	16	21	30	15	27	18
4		13	15	21	29	15	27	18
3		13	15	21	29	15	27	18
3B		13	15	20	29	15	27	18
3A		13	14	20	29	15	27	18
2		13	14	20	28	15	26	17
1		12	13	20	28	15	26	17
IndHarbor_Lock		9	12	20	40	12	27	17
IndHarborCanal	Lake Michigan	9	12	20	40	12	27	17

	Below 125 CFU/100 mL
	Above 125 CFU/100 mL

Table 6-5
Percent of Model-Predicted E. Coli Concentrations below 235 CFU/100 mL
Grand Calumet River - Typical Year
Baseline Conditions with Improved Non-Point Sources (Recreation Season)

Model Conduit	Location	Percent of Samples Below 235 CFU/100 mL E. coli						
		April	May	June	July	August	September	October
40	Upstream	100%	100%	100%	100%	100%	100%	100%
39		100%	100%	100%	100%	100%	100%	100%
38		100%	100%	100%	100%	100%	100%	100%
37		100%	100%	100%	100%	100%	100%	100%
36		100%	100%	100%	100%	100%	100%	100%
36B		100%	100%	100%	100%	100%	100%	100%
36A	006 - Rhode Island Street at E. Interceptor	100%	97%	97%	97%	97%	100%	97%
35	007 - Alley 9 at E. Interceptor	100%	97%	97%	97%	97%	100%	97%
35A		100%	97%	97%	97%	97%	100%	97%
34		100%	94%	97%	97%	97%	100%	97%
34A		100%	94%	97%	97%	97%	100%	97%
33		100%	94%	100%	97%	97%	100%	97%
32		100%	94%	100%	97%	97%	100%	97%
31		100%	94%	100%	97%	97%	100%	97%
31E		100%	94%	100%	97%	97%	100%	97%
31D		100%	94%	100%	97%	97%	100%	97%
31C		100%	94%	100%	97%	100%	100%	97%
31B		100%	94%	100%	97%	100%	100%	97%
31A		100%	94%	100%	97%	100%	100%	97%
30	008 - Polk Street at E. Interceptor	100%	94%	93%	97%	97%	100%	97%
30A	009 - Pierce Street at E. Interceptor	100%	94%	93%	97%	97%	100%	97%
29		100%	94%	90%	90%	97%	97%	97%
28		100%	94%	90%	90%	97%	97%	97%
27		100%	94%	90%	90%	97%	93%	97%
26		100%	94%	90%	90%	97%	93%	97%
26A		100%	94%	90%	90%	97%	93%	97%
25	010 - Bridge Street at E. Interceptor	100%	94%	90%	87%	97%	93%	97%
24	011 - Chase Street at E. Interceptor	100%	94%	93%	87%	97%	93%	97%
23		100%	94%	97%	87%	97%	93%	97%
23A		100%	94%	100%	87%	97%	93%	97%
22		100%	94%	97%	87%	97%	93%	97%
21		100%	94%	97%	87%	97%	93%	97%
21B		100%	94%	97%	87%	100%	93%	97%
21A		100%	94%	97%	87%	100%	93%	97%
20	WWTP	100%	94%	97%	87%	100%	93%	97%
19		100%	94%	97%	87%	100%	93%	97%
19A		100%	94%	97%	87%	100%	93%	97%
18		100%	97%	97%	90%	100%	93%	97%
17		100%	97%	97%	90%	100%	93%	97%
16		100%	97%	97%	90%	100%	90%	97%
15	012 - Colfax Street at W. Interceptor	100%	97%	93%	90%	97%	90%	97%
14		100%	97%	93%	90%	97%	90%	97%
13		100%	97%	93%	90%	97%	90%	97%
13F		100%	97%	93%	90%	97%	90%	97%
13E		100%	97%	93%	90%	97%	90%	97%
13D		100%	97%	93%	90%	97%	90%	97%
13C		100%	97%	93%	90%	97%	90%	97%
13B		100%	97%	93%	90%	97%	90%	97%

Table 6-5
Percent of Model-Predicted E. Coli Concentrations below 235 CFU/100 mL
Grand Calumet River - Typical Year
Baseline Conditions with Improved Non-Point Sources (Recreation Season)

Model Conduit	Location	Percent of Samples Below 235 CFU/100 mL E. coli						
		April	May	June	July	August	September	October
13A		100%	97%	93%	90%	97%	90%	97%
12		100%	97%	90%	94%	97%	90%	97%
11		100%	97%	93%	94%	97%	90%	97%
11B		100%	97%	93%	90%	97%	90%	97%
11A		100%	97%	93%	90%	97%	90%	97%
10		100%	97%	93%	90%	97%	90%	97%
10B		100%	97%	93%	90%	97%	90%	97%
10A		100%	97%	93%	90%	97%	90%	97%
9		100%	97%	93%	90%	97%	90%	97%
8		100%	97%	93%	90%	97%	87%	97%
7		100%	97%	93%	87%	97%	87%	97%
6		100%	97%	93%	87%	97%	87%	97%
5		100%	97%	93%	87%	97%	87%	97%
4		100%	97%	93%	87%	97%	87%	97%
3		100%	97%	93%	87%	97%	87%	97%
3B		100%	97%	93%	87%	97%	87%	97%
3A		100%	97%	93%	87%	97%	87%	97%
2		100%	100%	93%	87%	97%	87%	97%
1		100%	100%	93%	87%	97%	87%	94%
IndHarbor_Lock		100%	97%	87%	77%	97%	80%	90%
IndHarborCanal	Lake Michigan	100%	97%	87%	81%	97%	80%	90%

	Compliance with maximum 235 CFU/100 mL standard
	Non-compliance with maximum 235 CFU/100 mL standard

Table 6-6
Model-Predicted Compliance with Monthly Geomean and Maximum Count Standards
Grand Calumet River - Typical Year
Baseline Conditions with Improved Non-Point Sources (Recreation Season)

		Compliance with E. Coli Recreational Standards						
Model Conduit	Location	April	May	June	July	August	September	October
40	Upstream							
39								
38								
37								
36								
36B								
36A	006 - Rhode Island Street at E. Interceptor		97%	97%	97%	97%		97%
35	007 - Alley 9 at E. Interceptor		97%	97%	97%	97%		97%
35A			97%	97%	97%	97%		97%
34			94%	97%	97%	97%		97%
34A			94%	97%	97%	97%		97%
33			94%		97%	97%		97%
32			94%		97%	97%		97%
31			94%		97%	97%		97%
31E			94%		97%	97%		97%
31D			94%		97%	97%		97%
31C			94%		97%			97%
31B			94%		97%			97%
31A			94%		97%			97%
30	008 - Polk Street at E. Interceptor		94%	93%	97%	97%		97%
30A	009 - Pierce Street at E. Interceptor		94%	93%	97%	97%		97%
29			94%	90%	90%	97%	97%	97%
28			94%	90%	90%	97%	97%	97%
27			94%	90%	90%	97%	93%	97%
26			94%	90%	90%	97%	93%	97%
26A			94%	90%	90%	97%	93%	97%
25	010 - Bridge Street at E. Interceptor		94%	90%	87%	97%	93%	97%
24	011 - Chase Streeet at E. Interceptor		94%	93%	87%	97%	93%	97%
23			94%	97%	87%	97%	93%	97%
23A			94%		87%	97%	93%	97%
22			94%	97%	87%	97%	93%	97%
21			94%	97%	87%	97%	93%	97%
21B			94%	97%	87%		93%	97%
21A			94%	97%	87%		93%	97%
20	WWTP		94%	97%	87%		93%	97%
19			94%	97%	87%		93%	97%
19A			94%	97%	87%		93%	97%
18			97%	97%	90%		93%	97%
17			97%	97%	90%		93%	97%
16			97%	97%	90%		90%	97%
15	012 - Colfax Street at W. Interceptor		97%	93%	90%	97%	90%	97%
14			97%	93%	90%	97%	90%	97%
13			97%	93%	90%	97%	90%	97%
13F			97%	93%	90%	97%	90%	97%
13E			97%	93%	90%	97%	90%	97%
13D			97%	93%	90%	97%	90%	97%
13C			97%	93%	90%	97%	90%	97%
13B			97%	93%	90%	97%	90%	97%
13A			97%	93%	90%	97%	90%	97%
12			97%	90%	94%	97%	90%	97%

Table 6-6
Model-Predicted Compliance with Monthly Geomean and Maximum Count Standards
Grand Calumet River - Typical Year
Baseline Conditions with Improved Non-Point Sources (Recreation Season)

Model Conduit	Location	Compliance with E. Coli Recreational Standards						
		April	May	June	July	August	September	October
11			97%	93%	94%	97%	90%	97%
11B			97%	93%	90%	97%	90%	97%
11A			97%	93%	90%	97%	90%	97%
10			97%	93%	90%	97%	90%	97%
10B			97%	93%	90%	97%	90%	97%
10A			97%	93%	90%	97%	90%	97%
9			97%	93%	90%	97%	90%	97%
8			97%	93%	90%	97%	87%	97%
7			97%	93%	87%	97%	87%	97%
6			97%	93%	87%	97%	87%	97%
5			97%	93%	87%	97%	87%	97%
4			97%	93%	87%	97%	87%	97%
3			97%	93%	87%	97%	87%	97%
3B			97%	93%	87%	97%	87%	97%
3A			97%	93%	87%	97%	87%	97%
2				93%	87%	97%	87%	97%
1				93%	87%	97%	87%	94%
IndHarbor_Lock			97%	87%	77%	97%	80%	90%
IndHarborCanal	Lake Michigan		97%	87%	81%	97%	80%	90%

	Model predicted compliance with geomean and max. E. coli CFU standards
###	Model predicted E. coli counts above the geomean but in compliance with max. E. coli CFU standard (Monthly Geomean shown)
##%	Model predicted E. coli counts above max. E. coli count but in compliance with geomean standard (% of Samples below 235 CFU/100 mL standard shown)
######%	Model predicted E. coli counts above either the geomean and max. E. coli CFU standards (Monthly Geomean and % of Samples below 235 CFU/100 mL shown)

Table 6-7
Monthly Geomean of Model-Predicted E. Coli Concentrations
Little Calumet River - Typical Year
Baseline Conditions (Recreation Season)

Model Conduit	Location	Monthly Geomean (CFU/100 mL E. coli)						
		April	May	June	July	August	September	October
1	Lake Michigan	151	282	295	390	138	233	218
2		158	291	309	401	147	247	227
3		162	301	319	413	154	256	234
3B		165	305	326	419	160	263	239
4	Downstream of East Branch	166	306	327	420	161	264	240
5		118	195	224	296	119	191	168
6		119	199	228	302	122	194	172
7		121	201	231	305	124	197	175
8		123	203	234	308	125	199	178
9		125	204	236	310	127	202	182
10		126	210	242	319	129	205	187
11		128	212	245	322	132	207	191
12		131	213	249	324	135	210	195
13		132	220	256	334	138	213	200
14		135	222	260	336	140	216	204
15		138	224	263	339	143	219	208
16B		139	232	269	351	146	222	214
16A		140	233	269	352	148	223	216
17		142	234	270	355	149	225	218
18		142	234	270	356	150	225	218
19		132	214	248	330	139	208	204
20		132	215	248	332	140	209	206
21		133	215	248	333	140	209	206
22		134	217	249	335	142	211	209
23		136	220	251	338	144	214	211
24		137	222	252	340	146	217	213
25		138	223	253	341	146	218	213
26		141	227	256	344	148	224	216
27		143	228	257	344	148	227	217
28		144	230	258	345	149	229	218
29A		144	243	262	361	149	234	223
29B		145	245	264	363	151	236	224
30		146	246	266	365	152	238	225
31		147	248	268	367	154	241	226
32		148	249	269	368	155	242	227
33		151	252	274	373	159	249	230
34		158	258	285	383	167	262	237
35		164	271	297	402	176	274	246
36		168	272	304	408	184	281	251
37		172	273	309	414	192	287	255
38	004 - 15th Avenue & Elkhart Street	176	275	314	419	199	294	260
39		184	293	328	445	213	309	274
40		185	291	325	446	199	311	270
41		189	294	329	449	203	316	275

Table 6-7
Monthly Geomean of Model-Predicted E. Coli Concentrations
Little Calumet River - Typical Year
Baseline Conditions (Recreation Season)

Model Conduit	Location	Monthly Geomean (CFU/100 mL E. coli)						
		April	May	June	July	August	September	October
42		191	296	333	451	205	320	277
43		193	298	335	452	206	322	279
44		194	299	336	452	207	324	280
45		200	303	341	455	209	331	284
46		211	328	357	488	223	349	301
47		214	332	360	493	226	352	304
48		217	337	363	499	230	355	308
49		218	338	364	500	230	356	309
50	Downstream of Deep River	220	342	366	505	232	359	311
51		135	152	186	302	161	221	170
52		140	157	181	305	160	228	174
53		140	157	181	305	160	228	174
54		141	157	181	305	160	228	174
55		141	157	181	305	160	228	174
56		141	158	181	305	160	229	174
57		141	158	181	305	159	229	174
58	014 - 25th Ave & Wisconsin St (closed)	92	116	125	239	102	165	117
59		93	117	127	242	104	167	118
60		94	118	128	243	106	167	119
61		94	119	129	244	107	168	119
62		94	120	130	244	108	168	119
63		96	123	135	248	113	170	121
64		99	126	139	251	118	172	123
65		128	161	183	245	155	184	144
66	013 - 25th Avenue & Louisiana Street	129	163	184	247	156	184	146
67		131	165	182	248	146	185	146
68		132	168	185	249	148	185	148
69		133	169	186	250	148	185	148
70		137	176	197	253	154	186	153
71		157	201	230	233	179	172	175
72		159	201	233	231	181	174	176
73		160	202	235	230	182	175	177
74		162	203	238	229	185	177	178
75		163	203	238	229	186	178	178
76		89	128	157	152	113	108	104
77		98	131	162	143	121	110	116
78	015 - 32nd Broadway & Alley 1 East	104	113	151	136	126	111	128
79		105	112	150	137	126	112	129
80		105	112	150	137	126	112	129
81	005 - 32nd Avenue & Broadway West	105	112	149	137	126	112	130
82		106	102	102	115	112	105	97
83		108	103	101	116	112	107	98
84		39	43	38	45	32	34	32
85		66	71	61	70	54	62	54

Table 6-7
Monthly Geomean of Model-Predicted E. Coli Concentrations
Little Calumet River - Typical Year
Baseline Conditions (Recreation Season)

Model Conduit	Location	Monthly Geomean (CFU/100 mL E. coli)						
		April	May	June	July	August	September	October
86		68	74	64	73	57	66	56
87		72	78	68	78	62	71	60
88		102	111	99	107	92	101	84
89		157	153	150	166	182	171	142
90		161	154	150	170	189	173	147
91		164	154	149	172	193	174	150
92		171	156	146	177	201	179	156
93		174	157	144	179	203	183	157
94		176	158	143	181	203	185	158
95		2	4	3	4	1	2	2
96		3	5	5	4	1	2	3
97		3	5	5	4	1	2	3
98		16	21	19	17	8	12	15
99		100	119	106	105	74	97	93
100		192	218	201	192	172	191	184
101		235	255	242	238	231	236	233
102		236	255	243	240	233	238	234
103		148	147	95	194	192	181	109
104		68	58	43	104	107	106	54
105		32	23	25	63	64	66	31
106		15	10	17	40	39	42	19
107		14	11	18	40	38	40	19
108		10	10	17	37	33	38	17
109		7	12	18	36	24	37	14
110		6	15	23	39	22	42	14
111		216	218	219	222	199	210	193
112		214	218	221	220	200	209	192
113		203	216	216	218	199	201	185
114		200	215	216	217	198	200	182
115		196	214	210	215	196	199	178
116B		187	213	193	203	185	195	164
116		178	210	179	188	173	188	153
117		174	208	173	181	166	184	149
118		170	205	166	175	159	179	145
119		164	199	157	168	150	172	140
120		155	187	144	162	141	164	133
120B		148	175	132	156	133	158	127
121		141	164	124	151	128	154	122
122		141	164	122	149	128	154	122
123		136	156	125	149	127	152	118
124		198	213	164	223	201	212	156
125		190	210	153	211	199	205	149
126		189	210	151	208	198	203	148
127		187	209	149	200	197	200	145

Table 6-7
Monthly Geomean of Model-Predicted E. Coli Concentrations
Little Calumet River - Typical Year
Baseline Conditions (Recreation Season)

Model Conduit	Location	Monthly Geomean (CFU/100 mL E. coli)						
		April	May	June	July	August	September	October
128		186	208	148	198	196	199	144
129		182	206	143	190	191	193	139
130		179	205	139	185	187	187	136
131		171	199	129	174	173	171	128
132		160	187	117	161	155	152	120
133		148	171	105	148	137	135	111
134		135	151	94	134	120	120	100
135		118	126	78	120	107	107	86
136		95	98	61	99	89	87	69
137		69	71	45	72	65	62	50
138		45	46	32	48	42	39	32
139		27	27	23	30	24	24	19
140		15	18	20	25	14	17	12
141		99	109	106	107	95	97	91
142		89	106	92	96	81	89	79
143		82	101	84	86	71	83	71
144		78	96	80	81	65	78	67
145		76	94	79	78	62	75	66
146A		72	87	75	75	58	69	62
146		68	81	75	73	55	65	59
147		68	80	76	75	54	66	58
148		67	79	75	75	54	65	57
148B		66	78	75	75	53	64	57
149		66	78	76	75	53	64	57
150B		66	77	75	74	53	63	57
150		65	76	76	74	52	62	56
151B		124	128	100	129	113	94	70
151		122	127	97	127	114	85	65
152		121	126	9	124	114	58	0
153		121	126	9	123	115	57	0
154		120	126	9	121	115	56	0
155B		119	125	9	121	115	55	0
155	West End	118	125	7	115	115	49	0
DeepRrA	Deep River	425	682	585	771	363	520	489
DeepRrB	Deep River	499	786	663	872	483	647	553
DeepRrC	Deep River	833	1235	1043	1362	905	1143	875
DeepRrD	Deep River	931	1344	1147	1495	1037	1286	961
LCREE	East Branch	333	667	641	749	299	461	434

	Below 125 CFU/100 mL
	Above 125 CFU/100 mL

Table 6-8
Percent of Model-Predicted E. Coli Concentrations below 235 CFU/100 mL
Little Calumet River - Typical Year
Baseline Conditions (Recreation Season)

Model Conduit	Location	Percent of Samples Below 235 CFU/100 mL E. coli						
		April	May	June	July	August	September	October
1	Lake Michigan	87%	45%	47%	39%	74%	50%	58%
2		87%	45%	47%	39%	71%	50%	55%
3		77%	45%	43%	39%	68%	50%	52%
3B		77%	45%	40%	39%	68%	50%	52%
4	Downstream of East Branch	77%	45%	40%	39%	68%	50%	52%
5		93%	61%	53%	52%	84%	60%	81%
6		90%	61%	53%	52%	84%	60%	81%
7		90%	61%	53%	52%	84%	60%	81%
8		90%	61%	53%	48%	84%	60%	81%
9		90%	61%	53%	48%	84%	57%	77%
10		90%	61%	53%	45%	84%	57%	77%
11		90%	61%	53%	45%	81%	57%	77%
12		90%	61%	50%	45%	81%	57%	77%
13		90%	61%	50%	45%	77%	53%	77%
14		90%	61%	50%	42%	77%	53%	77%
15		90%	58%	50%	42%	77%	53%	71%
16B		90%	58%	50%	42%	74%	50%	74%
16A		90%	58%	50%	42%	74%	50%	68%
17		90%	55%	50%	42%	74%	50%	68%
18		90%	55%	50%	42%	74%	50%	68%
19		90%	61%	50%	45%	77%	57%	77%
20		90%	61%	50%	45%	77%	57%	77%
21		90%	61%	50%	45%	77%	57%	77%
22		90%	61%	50%	45%	77%	57%	74%
23		90%	61%	50%	45%	77%	57%	71%
24		90%	61%	50%	45%	77%	57%	71%
25		90%	61%	50%	45%	77%	53%	71%
26		90%	61%	50%	42%	77%	53%	71%
27		90%	61%	50%	42%	77%	50%	71%
28		87%	61%	50%	42%	77%	50%	71%
29A		90%	55%	53%	42%	74%	53%	71%
29B		90%	55%	53%	42%	74%	53%	71%
30		90%	55%	53%	42%	74%	53%	68%
31		90%	55%	53%	42%	74%	53%	68%
32		90%	55%	53%	39%	74%	53%	68%
33		90%	55%	50%	39%	74%	53%	68%
34		90%	55%	50%	39%	74%	50%	65%
35		90%	48%	43%	39%	74%	47%	61%
36		87%	48%	43%	39%	74%	47%	58%
37		87%	48%	43%	39%	74%	47%	58%
38	004 - 15th Avenue & Elkhart Street	83%	48%	43%	39%	71%	47%	58%
39		77%	48%	43%	35%	68%	43%	55%
40		77%	48%	43%	35%	68%	43%	55%
41		77%	45%	43%	32%	68%	43%	55%
42		77%	45%	43%	32%	68%	43%	55%
43		77%	45%	40%	32%	68%	43%	55%
44		77%	45%	40%	32%	68%	43%	55%
45		73%	42%	40%	32%	68%	43%	55%

Table 6-8
Percent of Model-Predicted E. Coli Concentrations below 235 CFU/100 mL
Little Calumet River - Typical Year
Baseline Conditions (Recreation Season)

Model Conduit	Location	Percent of Samples Below 235 CFU/100 mL E. coli						
		April	May	June	July	August	September	October
46		73%	39%	40%	29%	65%	43%	45%
47		70%	39%	40%	29%	65%	43%	45%
48		67%	39%	40%	26%	65%	47%	45%
49		67%	39%	40%	26%	65%	47%	45%
50	Downstream of Deep River	67%	39%	37%	26%	65%	47%	45%
51		93%	84%	70%	65%	87%	77%	90%
52		90%	84%	83%	61%	87%	77%	90%
53		90%	84%	83%	61%	87%	77%	90%
54		90%	84%	83%	61%	87%	77%	90%
55		90%	81%	83%	61%	87%	77%	90%
56		90%	81%	83%	61%	87%	77%	90%
57		90%	81%	83%	61%	87%	77%	90%
58	014 - 25th Ave & Wisconsin St (closed)	93%	81%	83%	65%	94%	80%	94%
59		93%	81%	83%	65%	94%	80%	94%
60		93%	81%	83%	65%	94%	80%	94%
61		93%	81%	83%	65%	90%	80%	94%
62		93%	81%	83%	65%	90%	80%	94%
63		93%	81%	83%	68%	90%	80%	94%
64		93%	81%	80%	68%	90%	80%	94%
65		97%	84%	70%	77%	87%	80%	94%
66	013 - 25th Avenue & Louisiana Street	97%	84%	70%	77%	87%	80%	94%
67		97%	84%	70%	77%	87%	80%	90%
68		97%	84%	70%	74%	87%	80%	90%
69		97%	84%	70%	74%	87%	80%	90%
70		97%	84%	70%	74%	87%	80%	90%
71		97%	84%	70%	81%	94%	90%	87%
72		93%	84%	70%	84%	94%	90%	90%
73		93%	84%	70%	81%	94%	90%	90%
74		93%	84%	70%	81%	94%	90%	90%
75		93%	84%	70%	81%	94%	90%	87%
76		97%	87%	73%	84%	94%	93%	90%
77		97%	87%	77%	87%	94%	93%	90%
78	015 - 32nd Broadway & Alley 1 East	100%	97%	83%	90%	94%	97%	90%
79		100%	97%	83%	90%	94%	97%	90%
80		100%	97%	83%	90%	94%	97%	90%
81	005 - 32nd Avenue & Broadway West	100%	97%	83%	90%	94%	93%	90%
82		100%	100%	93%	94%	94%	97%	94%
83		97%	100%	100%	94%	94%	97%	94%
84		100%	100%	100%	97%	100%	100%	100%
85		100%	100%	100%	97%	100%	100%	97%
86		100%	100%	100%	97%	100%	100%	97%
87		100%	100%	100%	97%	100%	100%	97%
88		97%	90%	87%	87%	100%	93%	97%
89		93%	94%	87%	90%	94%	93%	90%
90		93%	94%	87%	90%	94%	93%	90%
91		93%	94%	87%	90%	94%	93%	87%
92		90%	97%	87%	90%	94%	97%	87%
93		90%	97%	87%	94%	94%	97%	87%

Table 6-8
Percent of Model-Predicted E. Coli Concentrations below 235 CFU/100 mL
Little Calumet River - Typical Year
Baseline Conditions (Recreation Season)

Model Conduit	Location	Percent of Samples Below 235 CFU/100 mL E. coli						
		April	May	June	July	August	September	October
94		90%	97%	87%	94%	94%	97%	90%
95		100%	100%	100%	100%	97%	100%	100%
96		100%	100%	100%	100%	100%	100%	100%
97		100%	100%	100%	100%	100%	100%	100%
98		100%	100%	100%	97%	100%	100%	97%
99		97%	90%	87%	84%	94%	83%	97%
100		90%	77%	73%	77%	87%	77%	84%
101		80%	65%	70%	74%	87%	70%	77%
102		77%	65%	70%	74%	81%	70%	74%
103		97%	87%	87%	77%	87%	87%	100%
104		100%	100%	100%	97%	100%	97%	100%
105		100%	100%	100%	97%	100%	100%	97%
106		100%	100%	100%	94%	100%	97%	97%
107		100%	100%	93%	90%	97%	97%	97%
108		100%	100%	93%	90%	97%	97%	97%
109		100%	97%	83%	84%	97%	93%	97%
110		97%	87%	83%	77%	94%	87%	90%
111		87%	74%	63%	74%	90%	80%	81%
112		90%	74%	67%	74%	90%	80%	81%
113		90%	77%	70%	77%	90%	80%	84%
114		90%	77%	70%	77%	90%	80%	84%
115		90%	77%	73%	77%	90%	80%	84%
116B		93%	74%	77%	77%	90%	80%	84%
116		90%	74%	80%	77%	90%	77%	84%
117		90%	81%	80%	81%	90%	77%	87%
118		93%	81%	83%	81%	90%	77%	87%
119		97%	81%	87%	87%	94%	73%	87%
120		97%	81%	87%	87%	94%	80%	87%
120B		97%	81%	90%	87%	97%	80%	90%
121		97%	81%	90%	87%	97%	83%	94%
122		97%	81%	93%	87%	97%	83%	94%
123		97%	81%	87%	87%	94%	83%	94%
124		83%	71%	73%	74%	87%	77%	90%
125		87%	74%	77%	77%	87%	77%	90%
126		87%	74%	77%	77%	87%	77%	90%
127		87%	74%	77%	77%	87%	77%	90%
128		87%	74%	77%	77%	87%	77%	94%
129		87%	74%	77%	77%	87%	80%	94%
130		87%	74%	80%	77%	87%	80%	94%
131		93%	74%	80%	81%	87%	77%	97%
132		93%	77%	87%	81%	87%	87%	97%
133		93%	77%	87%	81%	90%	87%	97%
134		93%	77%	90%	84%	94%	87%	97%
135		100%	94%	90%	84%	94%	87%	100%
136		100%	100%	97%	90%	94%	87%	100%
137		100%	100%	100%	97%	100%	100%	100%
138		100%	100%	100%	100%	100%	100%	100%
139		100%	100%	100%	100%	100%	100%	97%

Table 6-8
Percent of Model-Predicted E. Coli Concentrations below 235 CFU/100 mL
Little Calumet River - Typical Year
Baseline Conditions (Recreation Season)

Model Conduit	Location	Percent of Samples Below 235 CFU/100 mL E. coli						
		April	May	June	July	August	September	October
140		100%	100%	97%	97%	97%	100%	97%
141		93%	90%	90%	90%	94%	90%	90%
142		97%	87%	87%	87%	94%	90%	94%
143		97%	84%	90%	94%	100%	90%	97%
144		97%	84%	93%	90%	100%	90%	97%
145		97%	84%	90%	90%	100%	93%	97%
146A		97%	90%	90%	94%	100%	93%	97%
146		97%	94%	90%	90%	100%	93%	97%
147		97%	94%	90%	90%	100%	93%	97%
148		97%	97%	90%	94%	100%	93%	97%
148B		100%	97%	90%	94%	100%	93%	97%
149		100%	97%	90%	94%	100%	93%	97%
150B		100%	97%	93%	94%	100%	93%	97%
150		100%	100%	93%	94%	100%	93%	97%
151B		93%	94%	80%	90%	94%	90%	94%
151		93%	100%	80%	90%	94%	87%	94%
152		97%	100%	80%	90%	94%	87%	94%
153		97%	100%	83%	90%	94%	87%	94%
154		97%	100%	83%	90%	94%	87%	94%
155B		97%	100%	87%	90%	94%	87%	94%
155	West End	97%	100%	87%	90%	94%	90%	94%
DeepRrA	Deep River	13%	3%	3%	3%	39%	30%	16%
DeepRrB	Deep River	3%	0%	0%	0%	23%	17%	13%
DeepRrC	Deep River	0%	0%	0%	0%	0%	0%	0%
DeepRrD	Deep River	0%	0%	0%	0%	0%	0%	0%
LCREE	East Branch	30%	10%	10%	13%	48%	30%	26%

	Compliance with maximum 235 CFU/100 mL standard
	Non-compliance with maximum 235 CFU/100 mL standard

Table 6-9
Model-Predicted Compliance with Monthly Geomean and Maximum Count Standards
Little Calumet River - Typical Year
Baseline Conditions (Recreation Season)

Model Conduit	Location	Compliance with E. Coli Recreational Standards						
		April	May	June	July	August	September	October
1	Lake Michigan	151 / 87%	282 / 45%	295 / 47%	390 / 39%	138 / 74%	233 / 50%	218 / 58%
2		158 / 87%	291 / 45%	309 / 47%	401 / 39%	147 / 71%	247 / 50%	227 / 55%
3		162 / 77%	301 / 45%	319 / 43%	413 / 39%	154 / 68%	256 / 50%	234 / 52%
3B		165 / 77%	305 / 45%	326 / 40%	419 / 39%	160 / 68%	263 / 50%	239 / 52%
4	Downstream of East Branch	166 / 77%	306 / 45%	327 / 40%	420 / 39%	161 / 68%	264 / 50%	240 / 52%
5		93%	195 / 61%	224 / 53%	296 / 52%	84%	191 / 60%	168 / 81%
6		90%	199 / 61%	228 / 53%	302 / 52%	84%	194 / 60%	172 / 81%
7		90%	201 / 61%	231 / 53%	305 / 52%	84%	197 / 60%	175 / 81%
8		90%	203 / 61%	234 / 53%	308 / 48%	125 / 84%	199 / 60%	178 / 81%
9		90%	204 / 61%	236 / 53%	310 / 48%	127 / 84%	202 / 57%	182 / 77%
10		126 / 90%	210 / 61%	242 / 53%	319 / 45%	129 / 84%	205 / 57%	187 / 77%
11		128 / 90%	212 / 61%	245 / 53%	322 / 45%	132 / 81%	207 / 57%	191 / 77%
12		131 / 90%	213 / 61%	249 / 50%	324 / 45%	135 / 81%	210 / 57%	195 / 77%
13		132 / 90%	220 / 61%	256 / 50%	334 / 45%	138 / 77%	213 / 53%	200 / 77%
14		135 / 90%	222 / 61%	260 / 50%	336 / 42%	140 / 77%	216 / 53%	204 / 77%
15		138 / 90%	224 / 58%	263 / 50%	339 / 42%	143 / 77%	219 / 53%	208 / 71%
16B		139 / 90%	232 / 58%	269 / 50%	351 / 42%	146 / 74%	222 / 50%	214 / 74%
16A		140 / 90%	233 / 58%	269 / 50%	352 / 42%	148 / 74%	223 / 50%	216 / 68%
17		142 / 90%	234 / 55%	270 / 50%	355 / 42%	149 / 74%	225 / 50%	218 / 68%
18		142 / 90%	234 / 55%	270 / 50%	356 / 42%	150 / 74%	225 / 50%	218 / 68%
19		132 / 90%	214 / 61%	248 / 50%	330 / 45%	139 / 77%	208 / 57%	204 / 77%
20		132 / 90%	215 / 61%	248 / 50%	332 / 45%	140 / 77%	209 / 57%	206 / 77%
21		133 / 90%	215 / 61%	248 / 50%	333 / 45%	140 / 77%	209 / 57%	206 / 77%
22		134 / 90%	217 / 61%	249 / 50%	335 / 45%	142 / 77%	211 / 57%	209 / 74%
23		136 / 90%	220 / 61%	251 / 50%	338 / 45%	144 / 77%	214 / 57%	211 / 71%
24		137 / 90%	222 / 61%	252 / 50%	340 / 45%	146 / 77%	217 / 57%	213 / 71%
25		138 / 90%	223 / 61%	253 / 50%	341 / 45%	146 / 77%	218 / 53%	213 / 71%
26		141 / 90%	227 / 61%	256 / 50%	344 / 42%	148 / 77%	224 / 53%	216 / 71%
27		143 / 90%	228 / 61%	257 / 50%	344 / 42%	148 / 77%	227 / 50%	217 / 71%
28		144 / 87%	230 / 61%	258 / 50%	345 / 42%	149 / 77%	229 / 50%	218 / 71%
29A		144 / 90%	243 / 55%	262 / 53%	361 / 42%	149 / 74%	234 / 53%	223 / 71%
29B		145 / 90%	245 / 55%	264 / 53%	363 / 42%	151 / 74%	236 / 53%	224 / 71%
30		146 / 90%	246 / 55%	266 / 53%	365 / 42%	152 / 74%	238 / 53%	225 / 68%
31		147 / 90%	248 / 55%	268 / 53%	367 / 42%	154 / 74%	241 / 53%	226 / 68%
32		148 / 90%	249 / 55%	269 / 53%	368 / 39%	155 / 74%	242 / 53%	227 / 68%
33		151 / 90%	252 / 55%	274 / 50%	373 / 39%	159 / 74%	249 / 53%	230 / 68%
34		158 / 90%	258 / 55%	285 / 50%	383 / 39%	167 / 74%	262 / 50%	237 / 65%
35		164 / 90%	271 / 48%	297 / 43%	402 / 39%	176 / 74%	274 / 47%	246 / 61%
36		168 / 87%	272 / 48%	304 / 43%	408 / 39%	184 / 74%	281 / 47%	251 / 58%
37		172 / 87%	273 / 48%	309 / 43%	414 / 39%	192 / 74%	287 / 47%	255 / 58%
38	004 - 15th Avenue & Elkhart Street	176 / 83%	275 / 48%	314 / 43%	419 / 39%	199 / 71%	294 / 47%	260 / 58%
39		184 / 77%	293 / 48%	328 / 43%	445 / 35%	213 / 68%	309 / 43%	274 / 55%
40		185 / 77%	291 / 48%	325 / 43%	446 / 35%	199 / 68%	311 / 43%	270 / 55%
41		189 / 77%	294 / 45%	329 / 43%	449 / 32%	203 / 68%	316 / 43%	275 / 55%
42		191 / 77%	296 / 45%	333 / 43%	451 / 32%	205 / 68%	320 / 43%	277 / 55%
43		193 / 77%	298 / 45%	335 / 40%	452 / 32%	206 / 68%	322 / 43%	279 / 55%
44		194 / 77%	299 / 45%	336 / 40%	452 / 32%	207 / 68%	324 / 43%	280 / 55%
45		200 / 73%	303 / 42%	341 / 40%	455 / 32%	209 / 68%	331 / 43%	284 / 55%
46		211 / 73%	328 / 39%	357 / 40%	488 / 29%	223 / 65%	349 / 43%	301 / 45%
47		214 / 70%	332 / 39%	360 / 40%	493 / 29%	226 / 65%	352 / 43%	304 / 45%
48		217 / 67%	337 / 39%	363 / 40%	499 / 26%	230 / 65%	355 / 47%	308 / 45%
49		218 / 67%	338 / 39%	364 / 40%	500 / 26%	230 / 65%	356 / 47%	309 / 45%
50	Downstream of Deep River	220 / 67%	342 / 39%	366 / 37%	505 / 26%	232 / 65%	359 / 47%	311 / 45%
51		135 / 93%	152 / 84%	186 / 70%	302 / 65%	161 / 87%	221 / 77%	170 / 90%

Table 6-9

Model-Predicted Compliance with Monthly Geomean and Maximum Count Standards
Little Calumet River - Typical Year
Baseline Conditions (Recreation Season)

Model Conduit	Location	Compliance with E. Coli Recreational Standards						
		April	May	June	July	August	September	October
52		140 / 90%	157 / 84%	181 / 83%	305 / 61%	160 / 87%	228 / 77%	174 / 90%
53		140 / 90%	157 / 84%	181 / 83%	305 / 61%	160 / 87%	228 / 77%	174 / 90%
54		141 / 90%	157 / 84%	181 / 83%	305 / 61%	160 / 87%	228 / 77%	174 / 90%
55		141 / 90%	157 / 81%	181 / 83%	305 / 61%	160 / 87%	228 / 77%	174 / 90%
56		141 / 90%	158 / 81%	181 / 83%	305 / 61%	160 / 87%	229 / 77%	174 / 90%
57		141 / 90%	158 / 81%	181 / 83%	305 / 61%	159 / 87%	229 / 77%	174 / 90%
58	014 - 25th Ave & Wisconsin St (closed)	93%	81%	125 / 83%	239 / 65%	94%	165 / 80%	94%
59		93%	81%	127 / 83%	242 / 65%	94%	167 / 80%	94%
60		93%	81%	128 / 83%	243 / 65%	94%	167 / 80%	94%
61		93%	81%	129 / 83%	244 / 65%	90%	168 / 80%	94%
62		93%	81%	130 / 83%	244 / 65%	90%	168 / 80%	94%
63		93%	81%	135 / 83%	248 / 68%	90%	170 / 80%	94%
64		93%	126 / 81%	139 / 80%	251 / 68%	90%	172 / 80%	94%
65		128 / 97%	161 / 84%	183 / 70%	245 / 77%	155 / 87%	184 / 80%	144 / 94%
66	013 - 25th Avenue & Louisiana Street	129 / 97%	163 / 84%	184 / 70%	247 / 77%	156 / 87%	184 / 80%	146 / 94%
67		131 / 97%	165 / 84%	182 / 70%	248 / 77%	146 / 87%	185 / 80%	146 / 90%
68		132 / 97%	168 / 84%	185 / 70%	249 / 74%	148 / 87%	185 / 80%	148 / 90%
69		133 / 97%	169 / 84%	186 / 70%	250 / 74%	148 / 87%	185 / 80%	148 / 90%
70		137 / 97%	176 / 84%	197 / 70%	253 / 74%	154 / 87%	186 / 80%	153 / 90%
71		157 / 97%	201 / 84%	230 / 70%	233 / 81%	179 / 94%	172 / 90%	175 / 87%
72		159 / 93%	201 / 84%	233 / 70%	231 / 84%	181 / 94%	174 / 90%	176 / 90%
73		160 / 93%	202 / 84%	235 / 70%	230 / 81%	182 / 94%	175 / 90%	177 / 90%
74		162 / 93%	203 / 84%	238 / 70%	229 / 81%	185 / 94%	177 / 90%	178 / 90%
75		163 / 93%	203 / 84%	238 / 70%	229 / 81%	186 / 94%	178 / 90%	178 / 87%
76		97%	128 / 87%	157 / 73%	152 / 84%	94%	93%	90%
77		97%	131 / 87%	162 / 77%	143 / 87%	94%	93%	90%
78	015 - 32nd Broadway & Alley 1 East		97%	151 / 83%	136 / 90%	126 / 94%	97%	128 / 90%
79			97%	150 / 83%	137 / 90%	126 / 94%	97%	129 / 90%
80			97%	150 / 83%	137 / 90%	126 / 94%	97%	129 / 90%
81	005 - 32nd Avenue & Broadway West		97%	149 / 83%	137 / 90%	126 / 94%	93%	130 / 90%
82				93%	94%	94%	97%	94%
83		97%			94%	94%	97%	94%
84					97%			
85					97%			97%
86					97%			97%
87					97%			97%
88		97%	90%	87%	87%		93%	97%
89		157 / 93%	153 / 94%	150 / 87%	166 / 90%	182 / 94%	171 / 93%	142 / 90%
90		161 / 93%	154 / 94%	150 / 87%	170 / 90%	189 / 94%	173 / 93%	147 / 90%
91		164 / 93%	154 / 94%	149 / 87%	172 / 90%	193 / 94%	174 / 93%	150 / 87%
92		171 / 90%	156 / 97%	146 / 87%	177 / 90%	201 / 94%	179 / 97%	156 / 87%
93		174 / 90%	157 / 97%	144 / 87%	179 / 94%	203 / 94%	183 / 97%	157 / 87%
94		176 / 90%	158 / 97%	143 / 87%	181 / 94%	203 / 94%	185 / 97%	158 / 90%
95						97%		
96								
97								
98					97%			97%
99		97%	90%	87%	84%	94%	83%	97%
100		192 / 90%	218 / 77%	201 / 73%	192 / 77%	172 / 87%	191 / 77%	184 / 84%
101		235 / 80%	255 / 65%	242 / 70%	238 / 74%	231 / 87%	236 / 70%	233 / 77%
102		236 / 77%	255 / 65%	243 / 70%	240 / 74%	233 / 81%	238 / 70%	234 / 74%
103		148 / 97%	147 / 87%	87%	194 / 77%	192 / 87%	181 / 87%	
104					97%		97%	
105					97%			97%

Table 6-9
Model-Predicted Compliance with Monthly Geomean and Maximum Count Standards
Little Calumet River - Typical Year
Baseline Conditions (Recreation Season)

Model Conduit	Location	Compliance with E. Coli Recreational Standards						
		April	May	June	July	August	September	October
106					94%		97%	97%
107				93%	90%	97%	97%	97%
108				93%	90%	97%	97%	97%
109			97%	83%	84%	97%	93%	97%
110		97%	87%	83%	77%	94%	87%	90%
111		216 / 87%	218 / 74%	219 / 63%	222 / 74%	199 / 90%	210 / 80%	193 / 81%
112		214 / 90%	218 / 74%	221 / 67%	220 / 74%	200 / 90%	209 / 80%	192 / 81%
113		203 / 90%	216 / 77%	216 / 70%	218 / 77%	199 / 90%	201 / 80%	185 / 84%
114		200 / 90%	215 / 77%	216 / 70%	217 / 77%	198 / 90%	200 / 80%	182 / 84%
115		196 / 90%	214 / 77%	210 / 73%	215 / 77%	196 / 90%	199 / 80%	178 / 84%
116B		187 / 93%	213 / 74%	193 / 77%	203 / 77%	185 / 90%	195 / 80%	164 / 84%
116		178 / 90%	210 / 74%	179 / 80%	188 / 77%	173 / 90%	188 / 77%	153 / 84%
117		174 / 90%	208 / 81%	173 / 80%	181 / 81%	166 / 90%	184 / 77%	149 / 87%
118		170 / 93%	205 / 81%	166 / 83%	175 / 81%	159 / 90%	179 / 77%	145 / 87%
119		164 / 97%	199 / 81%	157 / 87%	168 / 87%	150 / 94%	172 / 73%	140 / 87%
120		155 / 97%	187 / 81%	144 / 87%	162 / 87%	141 / 94%	164 / 80%	133 / 87%
120B		148 / 97%	175 / 81%	132 / 90%	156 / 87%	133 / 97%	158 / 80%	127 / 90%
121		141 / 97%	164 / 81%	90%	151 / 87%	128 / 97%	154 / 83%	94%
122		141 / 97%	164 / 81%	93%	149 / 87%	128 / 97%	154 / 83%	94%
123		136 / 97%	156 / 81%	87%	149 / 87%	127 / 94%	152 / 83%	94%
124		198 / 83%	213 / 71%	164 / 73%	223 / 74%	201 / 87%	212 / 77%	156 / 90%
125		190 / 87%	210 / 74%	153 / 77%	211 / 77%	199 / 87%	205 / 77%	149 / 90%
126		189 / 87%	210 / 74%	151 / 77%	208 / 77%	198 / 87%	203 / 77%	148 / 90%
127		187 / 87%	209 / 74%	149 / 77%	200 / 77%	197 / 87%	200 / 77%	145 / 90%
128		186 / 87%	208 / 74%	148 / 77%	198 / 77%	196 / 87%	199 / 77%	144 / 94%
129		182 / 87%	206 / 74%	143 / 77%	190 / 77%	191 / 87%	193 / 80%	139 / 94%
130		179 / 87%	205 / 74%	139 / 80%	185 / 77%	187 / 87%	187 / 80%	136 / 94%
131		171 / 93%	199 / 74%	129 / 80%	174 / 81%	173 / 87%	171 / 77%	128 / 97%
132		160 / 93%	187 / 77%	87%	161 / 81%	155 / 87%	152 / 87%	97%
133		148 / 93%	171 / 77%	87%	148 / 81%	137 / 90%	135 / 87%	97%
134		135 / 93%	151 / 77%	90%	134 / 84%	94%	87%	97%
135			126 / 94%	90%	84%	94%	87%	
136				97%	90%	94%	87%	
137					97%			
138								
139								97%
140				97%	97%	97%		97%
141		93%	90%	90%	90%	94%	90%	90%
142		97%	87%	87%	87%	94%	90%	94%
143		97%	84%	90%	94%		90%	97%
144		97%	84%	93%	90%		90%	97%
145		97%	84%	90%	90%		93%	97%
146A		97%	90%	90%	94%		93%	97%
146		97%	94%	90%	90%		93%	97%
147		97%	94%	90%	90%		93%	97%
148		97%	97%	90%	94%		93%	97%
148B			97%	90%	94%		93%	97%
149			97%	90%	94%		93%	97%
150B			97%	93%	94%		93%	97%
150				93%	94%		93%	97%
151B		93%	128 / 94%	80%	129 / 90%	94%	90%	94%
151		93%	127	80%	127 / 90%	94%	87%	94%
152		97%	126	80%	90%	94%	87%	94%
153		97%	126	83%	90%	94%	87%	94%

Table 6-9

**Model-Predicted Compliance with Monthly Geomean and Maximum Count Standards
Little Calumet River - Typical Year
Baseline Conditions (Recreation Season)**

Model Conduit	Location	Compliance with E. Coli Recreational Standards						
		April	May	June	July	August	September	October
154		97%	126	83%	90%	94%	87%	94%
155B		97%	125	87%	90%	94%	87%	94%
155	West End	97%		87%	90%	94%	90%	94%
DeepRrA	Deep River	425 / 13%	682 / 3%	585 / 3%	771 / 3%	363 / 39%	520 / 30%	489 / 16%
DeepRrB	Deep River	499 / 3%	786 / 0%	663 / 0%	872 / 0%	483 / 23%	647 / 17%	553 / 13%
DeepRrC	Deep River	833 / 0%	1235 / 0%	1043 / 0%	1362 / 0%	905 / 0%	1143 / 0%	875 / 0%
DeepRrD	Deep River	931 / 0%	1344 / 0%	1147 / 0%	1495 / 0%	1037 / 0%	1286 / 0%	961 / 0%
LCREE	East Branch	333 / 30%	667 / 10%	641 / 10%	749 / 13%	299 / 48%	461 / 30%	434 / 26%

	Model predicted compliance with geomean and max. E. coli CFU standards
###	Model predicted E. coli counts above the geomean but in compliance with max. E. coli CFU standard (Monthly Geomean shown)
##%	Model predicted E. coli counts above max. E. coli count but in compliance with geomean standard (% of Samples below 235 CFU/100 mL standard shown)
###/##%	Model predicted E. coli counts above either the geomean and max. E. coli CFU standards (Monthly Geomean and % of Samples below 235 CFU/100 mL shown)

Table 6-10
Monthly Geomean of Model-Predicted E. Coli Concentrations
Little Calumet River - Typical Year
Baseline Conditions with Improved Non-Point Sources (Recreation Season)

Model Conduit	Location	Monthly Geomean (CFU/100 mL E. coli)						
		April	May	June	July	August	September	October
1	Lake Michigan	30	35	39	65	29	41	35
2		32	37	41	66	31	44	37
3		32	37	41	67	32	45	38
3B		33	38	42	68	33	47	39
4	Downstream of East Branch	33	38	42	68	33	47	39
5		32	37	42	73	34	50	39
6		31	37	42	73	34	50	39
7		32	37	42	73	34	51	40
8		32	38	43	74	35	52	42
9		33	38	43	74	36	52	43
10		31	37	42	73	34	50	41
11		32	37	43	74	35	51	42
12		32	38	43	75	35	51	43
13		31	36	42	73	33	49	42
14		31	36	42	73	34	49	42
15		32	37	43	74	35	49	43
16B		30	35	41	72	33	47	41
16A		30	36	41	72	33	47	41
17		30	36	41	73	33	48	42
18		30	36	41	73	33	48	42
19		30	36	40	72	33	47	41
20		30	36	41	72	33	47	41
21		30	36	41	72	33	48	41
22		30	37	41	73	34	48	42
23		31	37	41	73	34	49	42
24		31	38	42	74	35	49	42
25		31	38	42	74	35	50	43
26		32	39	42	75	36	51	43
27		32	40	42	75	36	51	43
28		32	40	43	75	36	52	44
29A		29	37	39	71	32	48	39
29B		29	37	40	71	32	48	39
30		29	37	40	71	33	48	39
31		29	38	40	72	33	49	40
32		29	38	40	72	33	49	40
33		30	39	41	72	34	50	40
34		31	40	43	74	37	53	41
35		29	37	41	71	35	50	38
36		30	37	43	72	37	51	39
37		30	37	44	73	40	52	40
38	004 - 15th Avenue & Elkhart Street	31	37	45	74	41	53	40
39		27	33	42	70	37	49	37
40		28	31	39	70	32	49	36
41		28	32	40	70	32	50	36

Table 6-10
Monthly Geomean of Model-Predicted E. Coli Concentrations
Little Calumet River - Typical Year
Baseline Conditions with Improved Non-Point Sources (Recreation Season)

Model Conduit	Location	Monthly Geomean (CFU/100 mL E. coli)						
		April	May	June	July	August	September	October
42		28	32	40	71	32	50	37
43		29	32	40	71	33	51	37
44		29	33	40	71	33	51	37
45		29	33	41	72	33	52	38
46		25	30	37	66	28	45	33
47		25	31	38	67	28	46	33
48		26	31	38	68	29	46	34
49		26	31	38	68	29	46	34
50	Downstream of Deep River	26	32	38	68	29	47	34
51		28	37	44	103	34	62	40
52		29	39	45	105	35	63	40
53		29	39	45	105	35	63	41
54		29	39	45	105	35	63	41
55		29	39	45	105	35	63	41
56		29	39	45	105	35	63	41
57		29	39	45	105	35	63	41
58	014 - 25th Ave & Wisconsin St (closed)	20	30	34	90	24	47	28
59		20	30	34	91	25	47	28
60		20	31	35	92	26	48	29
61		20	31	35	92	26	48	29
62		20	31	36	92	26	48	29
63		21	32	37	93	27	48	29
64		21	33	39	94	28	48	29
65		28	41	50	72	35	44	32
66	013 - 25th Avenue & Louisiana Street	28	41	51	72	35	44	33
67		28	42	47	71	32	44	32
68		29	42	49	71	33	44	33
69		29	43	49	71	33	44	33
70		30	44	53	70	34	44	33
71		33	50	62	57	37	37	37
72		33	50	63	57	38	37	37
73		34	50	63	57	38	37	38
74		34	50	64	57	39	37	39
75		34	50	64	58	39	37	39
76		19	31	42	38	23	22	23
77		20	31	42	34	24	22	26
78	015 - 32nd Broadway & Alley 1 East	20	24	34	30	26	22	28
79		20	23	34	30	26	22	29
80		20	23	34	30	26	22	29
81	005 - 32nd Avenue & Broadway West	20	23	34	30	26	22	29
82		20	19	16	20	20	19	16
83		21	20	17	20	21	19	17
84		8	7	6	7	6	5	5
85		12	12	10	10	10	10	9

Table 6-10
Monthly Geomean of Model-Predicted E. Coli Concentrations
Little Calumet River - Typical Year
Baseline Conditions with Improved Non-Point Sources (Recreation Season)

Model Conduit	Location	Monthly Geomean (CFU/100 mL E. coli)						
		April	May	June	July	August	September	October
86		13	13	10	11	11	10	9
87		14	13	11	12	12	11	10
88		20	19	15	17	17	17	14
89		31	29	24	29	34	31	25
90		32	30	24	30	35	32	25
91		32	30	25	31	36	33	26
92		33	31	25	32	37	34	27
93		34	31	25	32	38	35	27
94		34	32	26	33	38	35	27
95		0	1	0	0	0	0	0
96		1	1	1	0	0	0	0
97		1	1	1	0	0	0	0
98		3	4	3	2	1	2	2
99		19	20	16	15	13	14	15
100		37	38	32	32	32	32	31
101		46	46	39	42	43	42	40
102		46	46	39	42	43	43	40
103		28	24	13	28	35	31	16
104		13	9	6	14	20	17	8
105		6	4	3	8	12	11	4
106		3	2	2	5	7	7	3
107		3	2	2	5	7	6	3
108		2	1	2	4	6	5	2
109		1	1	2	3	4	4	2
110		1	2	2	3	4	5	2
111		41	42	35	36	37	38	34
112		40	42	34	36	37	37	33
113		39	40	33	35	36	35	32
114		39	40	33	35	36	35	31
115		38	39	32	34	35	34	31
116B		36	37	30	32	34	33	29
116		34	35	28	30	32	31	27
117		34	35	28	30	31	31	27
118		33	34	27	29	30	30	26
119		32	32	26	28	29	29	25
120		30	31	23	27	28	28	23
120B		29	29	22	26	26	27	22
121		28	27	21	25	25	26	21
122		27	27	21	25	25	26	21
123		27	26	21	24	25	25	20
124		38	37	25	35	37	35	27

Table 6-10
Monthly Geomean of Model-Predicted E. Coli Concentrations
Little Calumet River - Typical Year
Baseline Conditions with Improved Non-Point Sources (Recreation Season)

Model Conduit	Location	Monthly Geomean (CFU/100 mL E. coli)						
		April	May	June	July	August	September	October
125		36	35	24	33	36	34	26
126		36	35	23	33	36	33	25
127		35	35	23	32	35	33	25
128		35	35	23	32	35	32	25
129		34	34	22	31	34	31	24
130		34	33	22	30	33	30	24
131		32	31	20	28	31	28	22
132		30	29	19	26	29	25	20
133		28	27	17	24	26	22	18
134		25	24	15	21	23	19	16
135		22	21	12	18	20	17	13
136		18	16	9	14	16	13	10
137		13	12	7	10	12	9	7
138		8	7	5	6	7	6	5
139		5	4	3	4	4	3	3
140		3	2	2	2	2	2	2
141		18	18	16	16	17	16	15
142		17	17	14	14	15	14	13
143		15	16	12	13	13	13	11
144		15	15	12	12	12	12	11
145		14	14	11	12	12	12	11
146A		13	13	11	11	11	11	10
146		13	12	11	10	10	10	9
147		12	12	11	11	10	10	9
148		12	12	11	11	10	10	9
148B		12	12	11	10	10	10	9
149		12	12	11	11	10	10	9
150B		12	12	11	10	10	10	9
150		12	12	11	10	10	10	9
151B		23	22	16	20	20	15	12
151		22	22	15	20	20	14	11
152		22	22	1	19	20	9	0
153		22	22	1	19	20	9	0
154		22	22	1	19	20	9	0
155B		22	22	1	19	20	9	0
155	West End	22	22	1	18	20	8	0
DeepRrA	Deep River	22	25	27	24	16	19	24
DeepRrB	Deep River	26	29	31	28	21	23	28
DeepRrC	Deep River	45	47	48	46	41	43	46
DeepRrD	Deep River	50	52	53	51	47	48	51
LCREE	East Branch	41	42	42	41	34	38	42

	Below 125 CFU/100 mL
	Above 125 CFU/100 mL

Table 6-11

Percent of Model-Predicted E. Coli Concentrations below 235 CFU/100 mL

Little Calumet River - Typical Year

Baseline Conditions with Improved Non-Point Sources (Recreation Season)

Model Conduit	Location	Percent of Samples Below 235 CFU/100 mL E. coli						
		April	May	June	July	August	September	October
1	Lake Michigan	100%	100%	97%	84%	97%	97%	97%
2		100%	100%	97%	84%	97%	97%	97%
3		100%	100%	97%	87%	97%	93%	97%
3B		100%	100%	97%	87%	97%	93%	97%
4	Downstream of East Branch	100%	100%	97%	87%	97%	93%	97%
5		100%	97%	97%	84%	97%	87%	94%
6		100%	97%	97%	81%	97%	87%	94%
7		100%	97%	93%	81%	97%	87%	94%
8		100%	97%	93%	81%	97%	87%	94%
9		100%	97%	93%	81%	97%	87%	94%
10		100%	97%	93%	81%	97%	83%	94%
11		100%	97%	93%	81%	97%	87%	94%
12		100%	97%	93%	81%	97%	87%	94%
13		100%	97%	93%	81%	97%	87%	94%
14		100%	97%	93%	84%	97%	87%	94%
15		100%	97%	93%	84%	97%	87%	94%
16B		100%	97%	93%	84%	97%	87%	94%
16A		100%	97%	93%	84%	97%	87%	94%
17		100%	97%	93%	84%	97%	87%	94%
18		100%	97%	93%	84%	97%	87%	94%
19		100%	97%	93%	84%	97%	87%	94%
20		100%	97%	93%	84%	97%	87%	94%
21		100%	97%	93%	84%	97%	87%	94%
22		100%	97%	93%	84%	97%	87%	94%
23		100%	97%	93%	84%	97%	87%	94%
24		100%	94%	93%	84%	97%	87%	94%
25		100%	94%	93%	84%	97%	87%	94%
26		100%	94%	93%	84%	97%	87%	94%
27		100%	94%	93%	84%	97%	87%	94%
28		100%	94%	93%	84%	97%	87%	94%
29A		100%	94%	93%	84%	97%	87%	94%
29B		100%	94%	93%	84%	97%	87%	94%
30		100%	94%	93%	84%	97%	87%	94%
31		100%	94%	93%	84%	97%	87%	94%
32		100%	94%	93%	84%	97%	87%	94%
33		100%	94%	93%	84%	97%	87%	94%
34		100%	94%	93%	84%	97%	87%	94%
35		100%	94%	93%	84%	97%	87%	94%
36		100%	94%	93%	84%	94%	87%	94%
37		100%	94%	93%	84%	94%	87%	94%
38	004 - 15th Avenue & Elkhart Street	100%	94%	90%	84%	94%	87%	94%
39		100%	97%	90%	81%	90%	87%	94%
40		100%	97%	93%	81%	94%	87%	94%
41		100%	97%	90%	81%	94%	87%	94%

Table 6-11
Percent of Model-Predicted E. Coli Concentrations below 235 CFU/100 mL
Little Calumet River - Typical Year
Baseline Conditions with Improved Non-Point Sources (Recreation Season)

Model Conduit	Location	Percent of Samples Below 235 CFU/100 mL E. coli						
		April	May	June	July	August	September	October
42		100%	97%	90%	81%	94%	87%	94%
43		100%	97%	90%	81%	94%	87%	94%
44		100%	97%	90%	81%	94%	87%	94%
45		100%	97%	90%	81%	94%	87%	94%
46		100%	97%	90%	81%	94%	83%	94%
47		100%	97%	90%	81%	94%	83%	94%
48		100%	97%	90%	81%	94%	87%	94%
49		100%	100%	90%	81%	94%	87%	94%
50	Downstream of Deep River	100%	100%	90%	81%	94%	87%	94%
51		100%	94%	87%	77%	94%	83%	94%
52		100%	94%	83%	77%	94%	83%	94%
53		100%	94%	83%	77%	94%	83%	94%
54		100%	94%	83%	77%	94%	83%	94%
55		100%	94%	83%	77%	94%	83%	94%
56		100%	94%	83%	77%	94%	83%	94%
57		100%	94%	83%	77%	94%	83%	94%
58	014 - 25th Ave & Wisconsin St (closed)	97%	94%	83%	77%	94%	83%	94%
59		97%	90%	83%	77%	94%	83%	94%
60		100%	90%	83%	74%	94%	83%	94%
61		100%	90%	83%	74%	94%	83%	94%
62		100%	90%	83%	74%	90%	83%	94%
63		100%	90%	83%	74%	90%	83%	94%
64		100%	87%	83%	74%	90%	83%	94%
65		97%	90%	80%	77%	94%	90%	94%
66	013 - 25th Avenue & Louisiana Street	97%	90%	80%	77%	94%	90%	94%
67		97%	90%	80%	77%	94%	90%	94%
68		97%	90%	80%	77%	94%	90%	94%
69		97%	90%	80%	77%	94%	90%	94%
70		97%	90%	83%	77%	97%	90%	94%
71		97%	90%	77%	87%	97%	97%	94%
72		97%	90%	77%	87%	97%	97%	94%
73		97%	90%	77%	87%	97%	97%	94%
74		97%	90%	80%	87%	97%	97%	94%
75		97%	90%	80%	87%	97%	97%	94%
76		97%	87%	77%	84%	97%	97%	94%
77		97%	90%	83%	87%	97%	97%	90%
78	015 - 32nd Broadway & Alley 1 East	100%	97%	90%	94%	97%	97%	90%
79		100%	97%	90%	94%	97%	97%	90%
80		100%	97%	90%	94%	97%	97%	90%
81	005 - 32nd Avenue & Broadway West	100%	97%	90%	94%	97%	97%	90%
82		100%	100%	100%	100%	100%	100%	100%
83		100%	100%	100%	100%	100%	100%	100%
84		100%	100%	100%	100%	100%	100%	100%
85		100%	100%	100%	100%	100%	100%	100%

Table 6-11

Percent of Model-Predicted E. Coli Concentrations below 235 CFU/100 mL

Little Calumet River - Typical Year

Baseline Conditions with Improved Non-Point Sources (Recreation Season)

Model Conduit	Location	Percent of Samples Below 235 CFU/100 mL E. coli						
		April	May	June	July	August	September	October
86		100%	100%	100%	100%	100%	100%	100%
87		100%	100%	100%	100%	100%	100%	100%
88		100%	100%	100%	100%	100%	100%	100%
89		100%	100%	100%	100%	100%	100%	100%
90		100%	100%	100%	100%	100%	100%	100%
91		100%	100%	100%	100%	100%	100%	100%
92		100%	100%	100%	100%	100%	100%	100%
93		100%	100%	100%	100%	100%	100%	100%
94		100%	100%	100%	100%	100%	100%	100%
95		100%	100%	100%	100%	100%	100%	100%
96		100%	100%	100%	100%	100%	100%	100%
97		100%	100%	100%	100%	100%	100%	100%
98		100%	100%	100%	100%	100%	100%	100%
99		100%	100%	100%	100%	100%	100%	100%
100		100%	100%	100%	100%	100%	100%	100%
101		100%	100%	100%	100%	100%	100%	100%
102		100%	100%	100%	100%	100%	100%	100%
103		100%	100%	100%	100%	100%	100%	100%
104		100%	100%	100%	100%	100%	100%	100%
105		100%	100%	100%	100%	100%	100%	100%
106		100%	100%	100%	100%	100%	100%	100%
107		100%	100%	100%	100%	100%	100%	100%
108		100%	100%	100%	100%	100%	100%	100%
109		100%	100%	100%	100%	100%	100%	100%
110		100%	100%	100%	100%	100%	100%	100%
111		100%	100%	100%	100%	100%	100%	100%
112		100%	100%	100%	100%	100%	100%	100%
113		100%	100%	100%	100%	100%	100%	100%
114		100%	100%	100%	100%	100%	100%	100%
115		100%	100%	100%	100%	100%	100%	100%
116B		100%	100%	100%	100%	100%	100%	100%
116		100%	100%	100%	100%	100%	100%	100%
117		100%	100%	100%	100%	100%	100%	100%
118		100%	100%	100%	100%	100%	100%	100%
119		100%	100%	100%	100%	100%	100%	100%
120		100%	100%	100%	100%	100%	100%	100%
120B		100%	100%	100%	100%	100%	100%	100%
121		100%	100%	100%	100%	100%	100%	100%
122		100%	100%	100%	100%	100%	100%	100%
123		100%	100%	100%	100%	100%	100%	100%
124		100%	100%	100%	100%	100%	100%	100%
125		100%	100%	100%	100%	100%	100%	100%
126		100%	100%	100%	100%	100%	100%	100%
127		100%	100%	100%	100%	100%	100%	100%

Table 6-11

Percent of Model-Predicted E. Coli Concentrations below 235 CFU/100 mL

Little Calumet River - Typical Year

Baseline Conditions with Improved Non-Point Sources (Recreation Season)

Model Conduit	Location	Percent of Samples Below 235 CFU/100 mL E. coli						
		April	May	June	July	August	September	October
128		100%	100%	100%	100%	100%	100%	100%
129		100%	100%	100%	100%	100%	100%	100%
130		100%	100%	100%	100%	100%	100%	100%
131		100%	100%	100%	100%	100%	100%	100%
132		100%	100%	100%	100%	100%	100%	100%
133		100%	100%	100%	100%	100%	100%	100%
134		100%	100%	100%	100%	100%	100%	100%
135		100%	100%	100%	100%	100%	100%	100%
136		100%	100%	100%	100%	100%	100%	100%
137		100%	100%	100%	100%	100%	100%	100%
138		100%	100%	100%	100%	100%	100%	100%
139		100%	100%	100%	100%	100%	100%	100%
140		100%	100%	100%	100%	100%	100%	100%
141		100%	100%	100%	100%	100%	100%	100%
142		100%	100%	100%	100%	100%	100%	100%
143		100%	100%	100%	100%	100%	100%	100%
144		100%	100%	100%	100%	100%	100%	100%
145		100%	100%	100%	100%	100%	100%	100%
146A		100%	100%	100%	100%	100%	100%	100%
146		100%	100%	100%	100%	100%	100%	100%
147		100%	100%	100%	100%	100%	100%	100%
148		100%	100%	100%	100%	100%	100%	100%
148B		100%	100%	100%	100%	100%	100%	100%
149		100%	100%	100%	100%	100%	100%	100%
150B		100%	100%	100%	100%	100%	100%	100%
150		100%	100%	100%	100%	100%	100%	100%
151B		100%	100%	100%	100%	100%	100%	100%
151		100%	100%	100%	100%	100%	100%	100%
152		100%	100%	100%	100%	100%	100%	100%
153		100%	100%	100%	100%	100%	100%	100%
154		100%	100%	100%	100%	100%	100%	100%
155B		100%	100%	100%	100%	100%	100%	100%
155	West End	100%	100%	100%	100%	100%	100%	100%
DeepRrA	Deep River	100%	100%	100%	100%	100%	100%	100%
DeepRrB	Deep River	100%	100%	100%	100%	100%	100%	100%
DeepRrC	Deep River	100%	100%	100%	100%	100%	100%	100%
DeepRrD	Deep River	100%	100%	100%	100%	100%	100%	100%
LCREE	East Branch	100%	100%	100%	100%	100%	100%	100%

	Compliance with maximum 235 CFU/100 mL standard
	Non-compliance with maximum 235 CFU/100 mL standard

Table 6-12

Model-Predicted Compliance with Monthly Geomean and Maximum Count Standards
Little Calumet River - Typical Year
Baseline Conditions with Improved Non-Point Sources (Recreation Season)

Model Conduit	Location	Compliance with E. Coli Recreational Standards						
		April	May	June	July	August	September	October
1	Lake Michigan			97%	84%	97%	97%	97%
2				97%	84%	97%	97%	97%
3				97%	87%	97%	93%	97%
3B				97%	87%	97%	93%	97%
4	Downstream of East Branch			97%	87%	97%	93%	97%
5			97%	97%	84%	97%	87%	94%
6			97%	97%	81%	97%	87%	94%
7			97%	93%	81%	97%	87%	94%
8			97%	93%	81%	97%	87%	94%
9			97%	93%	81%	97%	87%	94%
10			97%	93%	81%	97%	83%	94%
11			97%	93%	81%	97%	87%	94%
12			97%	93%	81%	97%	87%	94%
13			97%	93%	81%	97%	87%	94%
14			97%	93%	84%	97%	87%	94%
15			97%	93%	84%	97%	87%	94%
16B			97%	93%	84%	97%	87%	94%
16A			97%	93%	84%	97%	87%	94%
17			97%	93%	84%	97%	87%	94%
18			97%	93%	84%	97%	87%	94%
19			97%	93%	84%	97%	87%	94%
20			97%	93%	84%	97%	87%	94%
21			97%	93%	84%	97%	87%	94%
22			97%	93%	84%	97%	87%	94%
23			97%	93%	84%	97%	87%	94%
24			94%	93%	84%	97%	87%	94%
25			94%	93%	84%	97%	87%	94%
26			94%	93%	84%	97%	87%	94%
27			94%	93%	84%	97%	87%	94%
28			94%	93%	84%	97%	87%	94%
29A			94%	93%	84%	97%	87%	94%
29B			94%	93%	84%	97%	87%	94%
30			94%	93%	84%	97%	87%	94%
31			94%	93%	84%	97%	87%	94%
32			94%	93%	84%	97%	87%	94%
33			94%	93%	84%	97%	87%	94%
34			94%	93%	84%	97%	87%	94%
35			94%	93%	84%	97%	87%	94%
36			94%	93%	84%	94%	87%	94%
37			94%	93%	84%	94%	87%	94%
38	004 - 15th Avenue & Elkhart Street		94%	90%	84%	94%	87%	94%
39			97%	90%	81%	90%	87%	94%
40			97%	93%	81%	94%	87%	94%
41			97%	90%	81%	94%	87%	94%
42			97%	90%	81%	94%	87%	94%
43			97%	90%	81%	94%	87%	94%
44			97%	90%	81%	94%	87%	94%

Table 6-12
Model-Predicted Compliance with Monthly Geomean and Maximum Count Standards
Little Calumet River - Typical Year
Baseline Conditions with Improved Non-Point Sources (Recreation Season)

Model Conduit	Location	Compliance with E. Coli Recreational Standards						
		April	May	June	July	August	September	October
45			97%	90%	81%	94%	87%	94%
46			97%	90%	81%	94%	83%	94%
47			97%	90%	81%	94%	83%	94%
48			97%	90%	81%	94%	87%	94%
49				90%	81%	94%	87%	94%
50	Downstream of Deep River			90%	81%	94%	87%	94%
51			94%	87%	77%	94%	83%	94%
52			94%	83%	77%	94%	83%	94%
53			94%	83%	77%	94%	83%	94%
54			94%	83%	77%	94%	83%	94%
55			94%	83%	77%	94%	83%	94%
56			94%	83%	77%	94%	83%	94%
57			94%	83%	77%	94%	83%	94%
58	014 - 25th Ave & Wisconsin St (closed)	97%	94%	83%	77%	94%	83%	94%
59		97%	90%	83%	77%	94%	83%	94%
60			90%	83%	74%	94%	83%	94%
61			90%	83%	74%	94%	83%	94%
62			90%	83%	74%	90%	83%	94%
63			90%	83%	74%	90%	83%	94%
64			87%	83%	74%	90%	83%	94%
65		97%	90%	80%	77%	94%	90%	94%
66	013 - 25th Avenue & Louisiana Street	97%	90%	80%	77%	94%	90%	94%
67		97%	90%	80%	77%	94%	90%	94%
68		97%	90%	80%	77%	94%	90%	94%
69		97%	90%	80%	77%	94%	90%	94%
70		97%	90%	83%	77%	97%	90%	94%
71		97%	90%	77%	87%	97%	97%	94%
72		97%	90%	77%	87%	97%	97%	94%
73		97%	90%	77%	87%	97%	97%	94%
74		97%	90%	80%	87%	97%	97%	94%
75		97%	90%	80%	87%	97%	97%	94%
76		97%	87%	77%	84%	97%	97%	94%
77		97%	90%	83%	87%	97%	97%	90%
78	015 - 32nd Broadway & Alley 1 East		97%	90%	94%	97%	97%	90%
79			97%	90%	94%	97%	97%	90%
80			97%	90%	94%	97%	97%	90%
81	005 - 32nd Avenue & Broadway West		97%	90%	94%	97%	97%	90%
82								
83								
84								
85								
86								
87								
88								
89								
90								
91								

Table 6-12

**Model-Predicted Compliance with Monthly Geomean and Maximum Count Standards
Little Calumet River - Typical Year
Baseline Conditions with Improved Non-Point Sources (Recreation Season)**

Model Conduit	Location	Compliance with E. Coli Recreational Standards						
		April	May	June	July	August	September	October
92								
93								
94								
95								
96								
97								
98								
99								
100								
101								
102								
103								
104								
105								
106								
107								
108								
109								
110								
111								
112								
113								
114								
115								
116B								
116								
117								
118								
119								
120								
120B								
121								
122								
123								
124								
125								
126								
127								
128								
129								
130								
131								
132								
133								
134								
135								
136								

Table 6-12
Model-Predicted Compliance with Monthly Geomean and Maximum Count Standards
Little Calumet River - Typical Year
Baseline Conditions with Improved Non-Point Sources (Recreation Season)

Model Conduit	Location	Compliance with E. Coli Recreational Standards						
		April	May	June	July	August	September	October
137								
138								
139								
140								
141								
142								
143								
144								
145								
146A								
146								
147								
148								
148B								
149								
150B								
150								
151B								
151								
152								
153								
154								
155B								
155	West End							
DeepRrA	Deep River							
DeepRrB	Deep River							
DeepRrC	Deep River							
DeepRrD	Deep River							
LCREE	East Branch							

	Model predicted compliance with geomean and max. E. coli CFU standards
###	Model predicted E. coli counts above the geomean but in compliance with max. E. coli CFU standard (Monthly Geomean shown)
##%	Model predicted E. coli counts above max. E. coli count but in compliance with geomean standard (% of Samples below 235 CFU/100 mL standard shown)
###/##%	Model predicted E. coli counts above either the geomean and max. E. coli CFU standards (Monthly Geomean and % of Samples below 235 CFU/100 mL shown)